## **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/534.043
Source:	PCT
Date Processed by STIC:	6/20/06
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## ENTERED



PCT

RAW SEQUENCE LISTING DATE: 06/20/2006 PATENT APPLICATION: US/10/534,043 TIME: 13:33:12

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\06202006\J534043.raw

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3 <110> APPLICANT: SAKAGUCHI, Nobuo
      5 <120> TITLE OF INVENTION: TRANSGENIC MAMMAL CARRYING GANP GENE TRANSFERRED THEREINTO
AND
              UTILIZATION THEREOF
      8 <130> FILE REFERENCE: 4456-0104PUS1
     10 <140> CURRENT APPLICATION NUMBER: US 10/534,043
     11 <141> CURRENT FILING DATE: 2005-05-05
     13 <150> PRIOR APPLICATION NUMBER: PCT/JP03/014221
     14 <151> PRIOR FILING DATE: 2003-11-07
     16 <150> PRIOR APPLICATION NUMBER: PCT/JP02/11598
     17 <151> PRIOR FILING DATE: 2002-11-07
     19 <160> NUMBER OF SEQ ID NOS: 105
     21 <170> SOFTWARE: PatentIn version 3.2
     23 <210> SEO ID NO: 1
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     50 age eea agt get ttt geg gta tet tee age ace aeg gga aca tat eag
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     51 Ser Pro Ser Ala Phe Ala Val Ser Ser Ser Thr Thr Gly Thr Tyr Gln
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     54 act aaa tca cca ttt cga ttt ggc cag cct tcc ctt ttt gga cag aac
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     55 Thr Lys Ser Pro Phe Arg Phe Gly Gln Pro Ser Leu Phe Gly Gln Asn
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     58 agc aca ccc agc aag agc ctg gcg ttt tca caa gta cca agc ttt gca
                                                                              557
     59 Ser Thr Pro Ser Lys Ser Leu Ala Phe Ser Gln Val Pro Ser Phe Ala
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     62 aca ccc tct gga gga agc cat tct tcc tcc ttg cca gca ttt gga ctc
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    63 Thr Pro Ser Gly Gly Ser His Ser Ser Ser Leu Pro Ala Phe Gly Leu
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     66 acc caa acc tca agt gtg gga ctc ttc tct agt ctc gaa tcc aca cct
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67 Thr Gln Thr Ser Ser Val Gly Leu Phe Ser Ser Leu Glu Ser Thr Pro

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PATENT APPLICATION: US/10/534,043 TIME: 13:33:12

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B Glu Phe Lys Phe Lys Pro Leu Glu Asn Ala Val Phe Lys Pro Ile Pro	
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Gly Pro Glu Ser Glu Pro Glu Lys Thr Gln Ser Gln Ile Ser Ser Gly	
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Pro Leu Ser Asn Gln Asn Val Glu Glu Lys Arg Val Ser Thr Ser 220 225 230  George ttt gga agc tca aac agt agc ttc agt act ttc ccc aca gcg tca 27 Ala Phe Gly Ser Ser Asn Ser Ser Phe Ser Thr Phe Pro Thr Ala Ser	
Pro Leu Ser Asn Gln Asn Val Glu Glu Lys Arg Val Ser Thr Ser 220 230 230 230 230 230 230 230 230 230	1133
23 Pro Leu Ser Asn Gln Asn Val Glu Glu Glu Lys Arg Val Ser Thr Ser 24 220 225 230  26 gcg ttt gga agc tca aac agt agc ttc agt act ttc ccc aca gcg tca 27 Ala Phe Gly Ser Ser Asn Ser Ser Phe Ser Thr Phe Pro Thr Ala Ser 28 235 240 245 250  20 cca gga tct ttg ggg gag ccc ttc cca gct aac aaa cca agc ctc cgc	
Pro Leu Ser Asn Gln Asn Val Glu Glu Glu Lys Arg Val Ser Thr Ser 220 230  George ttt gga age tea aac agt age tte agt act tte ecc aca geg tea 25 240 250  Coca gga tet ttg ggg gag ecc tte eca get aac aaa eca age ete ege 1 Pro Gly Ser Leu Gly Glu Pro Phe Pro Ala Asn Lys Pro Ser Leu Arg	1133
3   Pro   Leu   Ser   Asn   Gln   Asn   Val   Glu   Glu   Glu   Lys   Arg   Val   Ser   Thr   Ser     4	1133
Pro Leu Ser Asn Gln Asn Val Glu Glu Glu Lys Arg Val Ser Thr Ser 220 225 230  George Ett gga age tea aac agt age tee agt act tee ecc aca geg tea 257  Ala Phe Gly Ser Ser Asn Ser Ser Phe Ser Thr Phe Pro Thr Ala Ser 240 250  Coca gga tet teg ggg gag ecc tee ecc get aac aaa eca age ete ege 1 Pro Gly Ser Leu Gly Glu Pro Phe Pro Ala Asn Lys Pro Ser Leu Arg 250  Coca gga tet gag gaa gee ate tee eag gtg gag eca ett ecc acc ete	1133
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	Asp																2205
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219	Glu	T.e.II	Ara	Pro	Ser	Δla	Wal.	Leu	Cor	720	Thr	Mot	7 an	Tree	Tou	ycy 7721	24//
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	Phe																
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244		780	014		-1-	0111	785	шси	nr 9	ASII	цуз	790	vai	FIIC	Cys	Ala	
	art		~~~	~~~	+++	a2a		taa	+	~+~							2012
	agt																2813
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	aat																2957
	Asn																
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262	aat	gcg	tgc	ctg	tta	cac	tgt	tac	ttt	aat	caq	atc	cqc	aaq	qat	qcc	3005
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272					895	017	vuı	vai	nr 9	900	шец	пец	FII	e AL	90!	-	
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	ggc	tat	att		cta	aat	caa	tca		tta	tta	as s	-			a tta	2107
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280	<b>-</b> 1	0,0	925			11011	9	930	ALU	rne	пец	GIU	93		ս Եւյ	у пеп	
	tac	aaσ		agg	aad	tca	ata		att	aaa	aaa	224			~ ata	g tca	2245
283	Cvs	Lvs	Ala	Ara	Lvs	Ser	Val	Dhe	Tla	99¢	Ara	Luc	To	y ac	g guş	l Ser	3245
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	955	<b>U</b>	<b>01</b> 4	• • • •	Val	960	O <sub>1</sub> y	O <sub>T</sub> y	110		965	FIU	va	.I PI	O AL	970	
		aat	ata	tac	agg		aac	tcc	cac			+ = 0	~+	+ ~~		g agc	2241
291	Thr	Pro	Val	Cvs	Ser	Phe	Agn	Ser	Gln	Agn	Lag	Tur	y c Va	1 61	a gay	ı Ser	3341
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295	Leu	Ala	Thr	Glu	Leu	Pro	Tle	Ser	Thr	Gln	Ara	Δla	99 G1	y Gl	a go	sp Pro	3309
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	gca	aat	aat		: aga	ааа	gag	gac		ıt a	aa aa	ra d	aa	gtg		tta	3434
			Gly	Glv	. Ara	Glv	Glu	Asn	C.	rs Gl	יפ פי מוו	la G	~9 lıı	val	Asp	_	2424
300		2	1005		3	1		101			- 4 - 1 - 1			1015	Top	пец	
	cca	aca	ttg		atc	ctc	cca			a aa	at de	rt a			tca	acc	3479
			Leu		Val										Ser	_	3473
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308			1035					104						1045		110	
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318 319 320	gag Glu	ctc Leu	atc Ile 1080	Gln	gag Glu	gct Ala	ctg Leu	Gln	Va	ıl As	sp Cy	gt ga /s Gi	lu (	gaa Glu 1090	gtc Val	_	3659
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319 320 322 323 324	Glu tcc Ser	Leu gct Ala	11e 1080 999 Gly 1095	Gln gca Ala	Glu gcc Ala	Ala tac Tyr	Leu gta Val	Gln 108 gcc Ala 110	Va 5 gc Al 0	al As a go a Al	sp Cy ct ct la Le	ys G g gg eu G	lu gc ly	Glu 1090 gtt Val 1105	Val tcc Ser	ser aat Asn	3704
319 320 322 323 324 326	Glu tcc Ser gct	Leu gct Ala gct	11e 1080 999 Gly 1095	gca Ala gag	Glu gcc Ala gat	Ala tac Tyr	Leu gta Val att	Gln 108 gcc Ala 110 act	Va 5 gc Al 0 gc	al As a go a Al	sp Cy ct ct la Le	ys G g gg eu G	lu gc ly cg	Glu 1090 gtt Val 1105 ggc	Val tcc Ser att	Ser aat Asn ctg	
319 320 322 323 324 326	Glu tcc Ser gct	Leu gct Ala gct	Ile 1080 999 Gly 1095 gtg	gca Ala gag Glu	Glu gcc Ala gat	Ala tac Tyr	Leu gta Val att	Gln 108 gcc Ala 110 act	Va 5 gc Al 0 gc Al	al As a go a Al	sp Cy ct ct la Le	ys G g gg eu G	lu gc g ly gc g hr g	Glu 1090 gtt Val 1105	Val tcc Ser att	Ser aat Asn ctg	3704

VERIFICATION SUMMARY

DATE: 06/20/2006 TIME: 13:33:13

PATENT APPLICATION: US/10/534,043

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\06202006\J534043.raw

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